

# MICRO

MXB79D

1.90 X 3.97MM

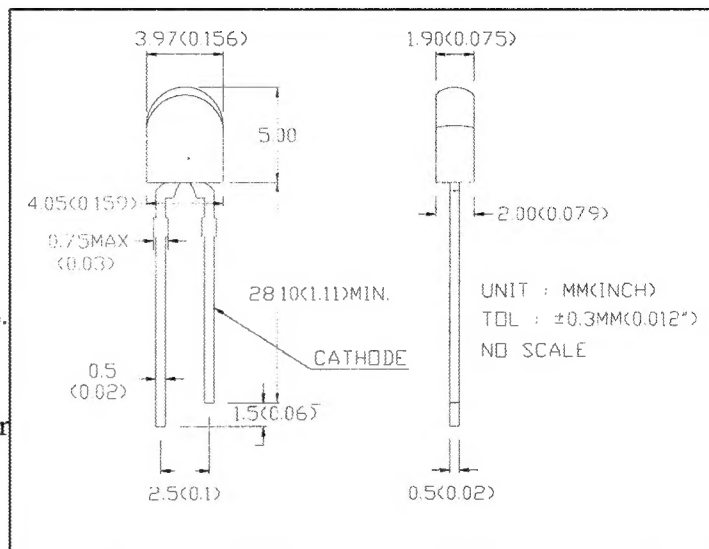
ROUND

RECTANGULAR

BAR LED LAMP

## DESCRIPTION

MXB79 Series are LED lamps encapsulated in a 1.9mm x 3.97mm round rectangular bar epoxy package with color defused lens. MGB79D is green chip with a green diffused lens. MSB79D is red chip with a red diffused lens. MYB79D is yellow chip with a yellow diffused lens.



## ABSOLUTE MAXIMUM RATINGS

	MGB79D	MSB79D	MYB79D
Power Dissipation @ Ta=25°C	100mW	45mW	60mW
Forward Current, DC (IF)	30mA	30mA	20mA
Reverse Voltage		5V	
Operating & Storage Temperature Range		-55 to +100°C	
Lead Soldering Temperature (1/16" from body)		260°C for 5 sec.	

## ELECTRO-OPTICAL CHARACTERISTICS (Ta=25°C)

PARAMETER	SYMBOL	MGB79D	MSB79D	MYB79D	UNIT	CONDITIONS
Forward Voltage	MAX V <sub>F</sub>	3	3	3	V	I <sub>F</sub> =20mA
Reverse Breakdown Voltage	MIN BV <sub>R</sub>	5	5	5	V	I <sub>R</sub> =100μA
Luminous Intensity	MIN I <sub>V</sub>	5	*1.2	9	mcd	I <sub>F</sub> =20mA
	TYP	10	*2.5	18		
Peak Wavelength	TYP λ <sub>p</sub>	570	700	589	nm	I <sub>F</sub> =20mA
Spectral Line Half Width	TYP Δλ	30	100	35	nm	I <sub>F</sub> =20mA
Viewing Angle	TYP 2θ 1/2	86	86	86	degree	I <sub>F</sub> =20mA

\*MSB79D IV TEST CONDITION: I<sub>F</sub> = 10mA



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